

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/523,117
Source: PCT
Date Processed by STIC: 2-22-05

ENTERED



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/523,117

DATE: 02/22/2005
 TIME: 08:22:32

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF4\02222005\J523117.raw

```

4 <110> APPLICANT: GlaxoSmithKline Biologicals s.a.
5   Francois-Xavier BERTHET
6   Ralph BIEMANS
7   Philippe DENOEL
8   Christiane FERON
9   Karine GORAJ
10  Jan POOLMAN
11  Vincent WEYNANTS
13 <120> TITLE OF INVENTION: Neisserial Vaccine Compositions Comprising a Combination of
Antigens
15 <130> FILE REFERENCE: B45315
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/523,117
18 <141> CURRENT FILING DATE: 2005-02-02
20 <150> PRIOR APPLICATION NUMBER: PCT/EP03/08571
21 <151> PRIOR FILING DATE: 2003-07-31
23 <150> PRIOR APPLICATION NUMBER: GB 0305028.3
24 <151> PRIOR FILING DATE: 2003-03-05
26 <150> PRIOR APPLICATION NUMBER: GB 0230170.3
27 <151> PRIOR FILING DATE: 2002-12-24
29 <150> PRIOR APPLICATION NUMBER: GB 0230168.7
30 <151> PRIOR FILING DATE: 2002-12-24
32 <150> PRIOR APPLICATION NUMBER: GB 0230164.6
33 <151> PRIOR FILING DATE: 2002-12-24
35 <150> PRIOR APPLICATION NUMBER: GB 0225531.3
36 <151> PRIOR FILING DATE: 2002-11-01
38 <150> PRIOR APPLICATION NUMBER: GB 0225524.8
39 <151> PRIOR FILING DATE: 2002-11-01
41 <150> PRIOR APPLICATION NUMBER: GB 0220199.4
42 <151> PRIOR FILING DATE: 2002-08-30
44 <150> PRIOR APPLICATION NUMBER: GB 0220197.8
45 <151> PRIOR FILING DATE: 2002-08-30
47 <150> PRIOR APPLICATION NUMBER: GB 0218037.0
48 <151> PRIOR FILING DATE: 2002-08-02
50 <150> PRIOR APPLICATION NUMBER: GB 0218036.2
51 <151> PRIOR FILING DATE: 2002-08-02
53 <150> PRIOR APPLICATION NUMBER: GB 0218035.4
54 <151> PRIOR FILING DATE: 2002-08-02
56 <150> PRIOR APPLICATION NUMBER: GB 0218051.1
57 <151> PRIOR FILING DATE: 2002-08-02
59 <160> NUMBER OF SEQ ID NOS: 24
61 <170> SOFTWARE: FastSEQ for Windows Version 4.0
63 <210> SEQ ID NO: 1
64 <211> LENGTH: 9
65 <212> TYPE: PRT

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66 <213> ORGANISM: Neisseria meningitidis
 68 <220> FEATURE:
 69 <221> NAME/KEY: VARIANT
 70 <222> LOCATION: (1)...(9)
 71 <223> OTHER INFORMATION: Xaa = Any Amino Acid
 73 <400> SEQUENCE: 1
W--> 74 Leu Xaa Gly Gly Xaa Gly Asn Asp Xaa
 75 1 5
 78 <210> SEQ ID NO: 2
 79 <211> LENGTH: 9
 80 <212> TYPE: PRT
 81 <213> ORGANISM: Neisseria meningitidis
 83 <220> FEATURE:
 84 <221> NAME/KEY: VARIANT
 85 <222> LOCATION: (1)...(9)
 86 <223> OTHER INFORMATION: Xaa = Any Amino Acid
 88 <400> SEQUENCE: 2
W--> 89 Leu Xaa Gly Gly Xaa Gly Asp Asp Xaa
 90 1 5
 93 <210> SEQ ID NO: 3
 94 <211> LENGTH: 10
 95 <212> TYPE: PRT
 96 <213> ORGANISM: Neisseria meningitidis
 98 <400> SEQUENCE: 3
 99 Lys Thr Lys Cys Lys Phe Leu Lys Lys Cys
 100 1 5 10
 103 <210> SEQ ID NO: 4
 104 <211> LENGTH: 31
 105 <212> TYPE: DNA
 106 <213> ORGANISM: Artificial Sequence
 108 <220> FEATURE:
 109 <223> OTHER INFORMATION: primer
 111 <400> SEQUENCE: 4
 112 ggaattccat atgatgaaca aaatataccg c 31
 114 <210> SEQ ID NO: 5
 115 <211> LENGTH: 31
 116 <212> TYPE: DNA
 117 <213> ORGANISM: Artificial Sequence
 119 <220> FEATURE:
 120 <223> OTHER INFORMATION: primer
 122 <400> SEQUENCE: 5
 123 gtagcttagt agcttaccac tgataaccga c 31
 125 <210> SEQ ID NO: 6
 126 <211> LENGTH: 36
 127 <212> TYPE: DNA
 128 <213> ORGANISM: Artificial Sequence
 130 <220> FEATURE:
 131 <223> OTHER INFORMATION: primer
 133 <400> SEQUENCE: 6

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134 aactgcagaa ttaatatgaa aggagaagaa ctttc	36
136 <210> SEQ ID NO: 7	
137 <211> LENGTH: 33	
138 <212> TYPE: DNA	
139 <213> ORGANISM: Artificial Sequence	
141 <220> FEATURE:	
142 <223> OTHER INFORMATION: primer	
144 <400> SEQUENCE: 7	
145 gacatactag tttatttcta gagctcatcc atg	33
147 <210> SEQ ID NO: 8	
148 <211> LENGTH: 30	
149 <212> TYPE: DNA	
150 <213> ORGANISM: Artificial Sequence	
152 <220> FEATURE:	
153 <223> OTHER INFORMATION: primer	
155 <400> SEQUENCE: 8	
156 tcccccgccc ccgtctgaat acatcccg	30
158 <210> SEQ ID NO: 9	
159 <211> LENGTH: 51	
160 <212> TYPE: DNA	
161 <213> ORGANISM: Artificial Sequence	
163 <220> FEATURE:	
164 <223> OTHER INFORMATION: primer	
166 <400> SEQUENCE: 9	
167 catatggcgt tccttttcta aatttgaggg caaacaccgg atacgtcttc a	51
169 <210> SEQ ID NO: 10	
170 <211> LENGTH: 48	
171 <212> TYPE: DNA	
172 <213> ORGANISM: Artificial Sequence	
174 <220> FEATURE:	
175 <223> OTHER INFORMATION: primer	
177 <400> SEQUENCE: 10	
178 agacgtatcg ggtttgcc ctcaaatttca caaaaggaag cccatatg	48
180 <210> SEQ ID NO: 11	
181 <211> LENGTH: 33	
182 <212> TYPE: DNA	
183 <213> ORGANISM: Artificial Sequence	
185 <220> FEATURE:	
186 <223> OTHER INFORMATION: primer	
188 <400> SEQUENCE: 11	
189 gggtattccg gcccttcag acggcgacg agg	33
191 <210> SEQ ID NO: 12	
192 <211> LENGTH: 45	
193 <212> TYPE: DNA	
194 <213> ORGANISM: Artificial Sequence	
196 <220> FEATURE:	
197 <223> OTHER INFORMATION: primer	
199 <400> SEQUENCE: 12	
200 ggcctagcta gccgtctgaa gcgatttagag tttcaaaaatt tattc	45

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Input Set : A:\Seqlist.txt
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202 <210> SEQ ID NO: 13	
203 <211> LENGTH: 42	
204 <212> TYPE: DNA	
205 <213> ORGANISM: Artificial Sequence	
207 <220> FEATURE:	
208 <223> OTHER INFORMATION: primer	
210 <400> SEQUENCE: 13	
211 ggccaagctt cagacggcgt tcgaccgagt ttgaggccttt gc	42
213 <210> SEQ ID NO: 14	
214 <211> LENGTH: 39	
215 <212> TYPE: DNA	
216 <213> ORGANISM: Artificial Sequence	
218 <220> FEATURE:	
219 <223> OTHER INFORMATION: primer	
221 <400> SEQUENCE: 14	
222 tccccccggga agatctggac gaaaaatctc aagaaaaccg	39
224 <210> SEQ ID NO: 15	
225 <211> LENGTH: 64	
226 <212> TYPE: DNA	
227 <213> ORGANISM: Artificial Sequence	
229 <220> FEATURE:	
230 <223> OTHER INFORMATION: primer	
232 <400> SEQUENCE: 15	
233 ggaagatctc cgctcgagca aatttacaaa aggaagccga tatgcaacag caacatttgt	60
234 tcccg	64
236 <210> SEQ ID NO: 16	
237 <211> LENGTH: 36	
238 <212> TYPE: DNA	
239 <213> ORGANISM: Artificial Sequence	
241 <220> FEATURE:	
242 <223> OTHER INFORMATION: primer	
244 <400> SEQUENCE: 16	
245 ggaagatctc cgctcgagac atcgggcaaa cacccg	36
247 <210> SEQ ID NO: 17	
248 <211> LENGTH: 38	
249 <212> TYPE: DNA	
250 <213> ORGANISM: Artificial Sequence	
252 <220> FEATURE:	
253 <223> OTHER INFORMATION: primer	
255 <400> SEQUENCE: 17	
256 tccccccggga gatctacta gtattaccct gttatccc	38
258 <210> SEQ ID NO: 18	
259 <211> LENGTH: 41	
260 <212> TYPE: DNA	
261 <213> ORGANISM: Artificial Sequence	
263 <220> FEATURE:	
264 <223> OTHER INFORMATION: primer	
266 <400> SEQUENCE: 18	
267 ctcgagacca tgggcaaata tcatgtctac gacccctcg c	41

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Input Set : A:\Seqlist.txt
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269 <210> SEQ ID NO: 19
270 <211> LENGTH: 43
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: primer
277 <400> SEQUENCE: 19
278 gtgcatagtc tcagagtttt tgtcgacgtc gtaattatag acc           43
280 <210> SEQ ID NO: 20
281 <211> LENGTH: 39
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: primer
288 <400> SEQUENCE: 20
289 aatggataac atatgaataa aggtttacat cgcatatttc            39
291 <210> SEQ ID NO: 21
292 <211> LENGTH: 31
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: primer
299 <400> SEQUENCE: 21
300 ccaacttagt ttttcgcta ctggagctg t                         31
302 <210> SEQ ID NO: 22
303 <211> LENGTH: 44
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: primer
310 <400> SEQUENCE: 22
311 aatggataac atatgaataa aggtttacat cgcatattatct ttag       44
313 <210> SEQ ID NO: 23
314 <211> LENGTH: 45
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: primer
321 <400> SEQUENCE: 23
322 ggggccactc gaggttttgc gctacttgaa gctgtttcag atagg        45
324 <210> SEQ ID NO: 24
325 <211> LENGTH: 4217
326 <212> TYPE: DNA
327 <213> ORGANISM: Neisseria meningitidis
329 <400> SEQUENCE: 24
330 atgaataaaag gtttacatcg cattatctt agaaaaaagc acagcacccat ggttgcagta 60
331 gcccggaaactg ccaacagcca gggcaaaggta aaacaggcgag gcagttcggt ttctgtttca 120
332 ctgaaaacctt caggcgaccc ttgcggcaaa ctcaaaaacc cccttaaaac tttggtctgc 180
333 tctttggttt ccctgagttat ggttgcct gccccatggcc aaattaccac cgacaaatca 240

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/22/2005
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,5,9
Seq#:2; Xaa Pos. 2,5,9

VERIFICATION SUMMARY
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L:17 M:270 C: Current Application Number differs, Replaced Current Application Number
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0